

(FILE 'HOME' ENTERED AT 10:42:18 ON 30 JAN 2004)

FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 10:42:36 ON 30 JAN 2004

L1 112 S AMINO ACID TAG  
 L2 3097 S HISTIDINE TAG OR HIS TAG  
 L3 14 S LYSINE TAG OR LYS TAG  
 L4 3 S ASPARTATE TAG OR ASPARGINE TAG OR ASX TAG  
 L5 11 S GLUTAMATE TAG OR GLU TAG  
 L6 115382 S FUSION PROTEIN  
 L7 115382 S L6 AND (L1 OR L2 OR L3 OR L4 OR L5 OR L6)  
 L8 10 S L6 AND L1  
 L9 10 DUP REMOVE L8 (0 DUPLICATES REMOVED)  
 L10 909 S L6 AND L2  
 L11 506 DUP REMOVE L10 (403 DUPLICATES REMOVED)  
 L12 2 S L6 AND L3  
 L13 3 S L6 AND L4  
 L14 1 S L6 AND L5

FILE 'CAPLUS' ENTERED AT 10:50:38 ON 30 JAN 2004  
 SEL L8 5 CIT

FILE 'SCISEARCH' ENTERED AT 10:50:38 ON 30 JAN 2004  
 L15 0 S E1

FILE 'CAPLUS' ENTERED AT 10:50:39 ON 30 JAN 2004  
 L16 0 S E1

FILE 'CAPLUS, BIOSIS' ENTERED AT 10:58:48 ON 30 JAN 2004

FILE 'CAPLUS' ENTERED AT 10:58:53 ON 30 JAN 2004

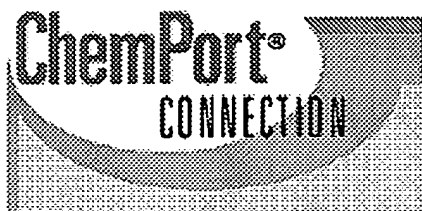
FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 10:59:35 ON 30 JAN 2004

FILE 'CAPLUS' ENTERED AT 10:59:56 ON 30 JAN 2004

FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 11:00:04 ON 30 JAN 2004

FILE 'CAPLUS' ENTERED AT 11:00:06 ON 30 JAN 2004  
 L17 8 S FUSION PROTEIN AND TAG AND INTERLEUKIN AND SIGNAL PEPTIDE  
 L18 8 DUP REMOVE L17 (0 DUPLICATES REMOVED)

=>



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Enzyme-free cloning of PCR products and fusion protein expression. Methods in Molecular Biology (Totowa, NJ, United States) (2002), 192(PCR Cloning Protocols (2nd Edition)), 125-132 CODEN: MMBIED; ISSN: 1064-3745; English

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#### Journal

- Methods Mol. Biol. (Totowa, NJ, U. S.)

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DOCUMENT NUMBER: 137:320857  
TITLE: Enzyme-free cloning of PCR products and **fusion protein** expression  
AUTHOR(S): Neilan, Brett A.; Tillett, Daniel  
CORPORATE SOURCE: USA  
SOURCE: Methods in Molecular Biology (Totowa, NJ, United States) (2002), 192(PCR Cloning Protocols (2nd Edition)), 125-132  
CODEN: MMBIED; ISSN: 1064-3745  
PUBLISHER: Humana Press Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB An enzyme-free procedure for the highly efficient cloning of polymerase chain reaction products is described. This method allows a DNA fragment to be directionally cloned into the correct reading frame for protein expression or for the creation of **fusion proteins**. This method can also be used to easily introduce a short **amino acid tag** sequence into either the amino or carboxy terminus of a protein.  
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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**WO 2002055717**

Patent Search

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	Hits	Search Text	DBs	Time Stamp
1	32385	fusion adj protein	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 09:56
2	1325	his-tag	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 09:56
3	3252	his-tag or histidine adj tag	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 09:56
4	2580	(fusion adj protein) and (his-tag or histidine adj tag)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 09:57
5	236	(fusion adj protein) near5 (his-tag or histidine adj tag)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 09:57
6	67	((fusion adj protein) near5 (his-tag or histidine adj tag)) and interleukin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:05
7	2	((((fusion adj protein) near5 (his-tag or histidine adj tag)) and interleukin) and subtilis	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:03
8	3	((fusion adj protein) near5 (his-tag or histidine adj tag)) near20 (signal adj peptide)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:04
9	3	((((fusion adj protein) near5 (his-tag or histidine adj tag)) near20 (signal adj peptide)) and interleukin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:04
10	3727	(secret\$4 or express\$4) near5 interleukin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:06
11	155	((secret\$4 or express\$4) near5 interleukin) and (his-tag or histidine adj tag)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:06
12	95	((((secret\$4 or express\$4) near5 interleukin) and (his-tag or histidine adj tag)) and (signal adj1 peptide)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/03 14:43
13	38	(arginine or lysine) adj tag	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:37
14	20	(asparagine or lysine) adj tag	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:37
15	0	(aspartate or glutamate) adj tag	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:38
16	0	((asparagine or lysine) adj tag) near signal adj peptide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:38

	Hits	Search Text	DBs	Time Stamp
17	1	((asparagine or lysine) adj tag) and signal adj peptide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 10:39
18	1	("4923808").PN.	USPAT	2004/02/03 14:42
19	1	"4356270".PN.	USPAT	2004/02/03 14:43
20	221	(secret\$4 or express\$4) near5 (protein or polypeptide) near5 tag near5 signal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/03 14:44
21	4	(secret\$4 or express\$4) near5 (protein or polypeptide) near5 tag near5 signal adj sequence	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/03 14:44
22	2	13 and carboxy near5 tag	USPAT	2004/02/03 14:48
23	3	13 and carboxy near5 tag	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/03 14:48